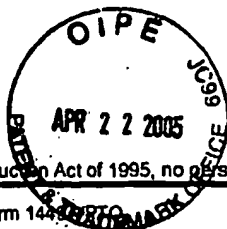


Docket: 02-321



PTO/SB/OBA (10-96)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/632,061
		Filing Date	07/31/2003
		First Named Inventor	Robert E. Richard
		Group Art Unit	1615
		Examiner Name	unassigned
Sheet 1 of 1	Attorney Docket Number	02-321	

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Class/Subclass		
/C.S./	1	20020077418 A1	525/88	Chen et al.	06-20-2002
/C.S./	2	20030138415 A1	424/94.4	Shepard	07-24-2003
/C.S./	3	4038264	260/79.3	Rostoker et al.	07-26-1977
/C.S./	4	6110483	424/423	Whitbourne et al.	08-29-2000

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office <sup>3</sup>	Number <sup>4</sup>	Class/Subclass			
/C.S./		EP	0 484 057 A2	A61L 33/00	Walles	05-06-1992	
		WO	01/18079 A1	C08F 220/30	Schlueter et al.	03-15-2001	
		WO	02/47731 A2	A61L	Pinchuk et al.	06-20-2002	
		WO	03/032815 A2	A61B	Naimark et al.	04-24-2003	
		WO	03/084583 A2	A61L 31/00	Hermann et al.	10-16-2003	
		WO	03/090806 A1	A61L 31/10	Schwarz et al.	11-06-2003	
		WO	2004/000267 A1	A61K 9/00	Schwarz et al.	12-31-2003	
		WO	2004/000380 A1	A61L 27/34	Schwarz	12-31-2003	
		WO	2004/000381 A1	A61L 27/34	Schwarz et al.	12-31-2003	
		WO	2004/000384 A1	A61L 31/10	Schwarz	12-31-2003	
		WO	2004/011055 A2	A61L 31/00	Jianmin et al.	02-05-2004	
		WO	2004/050140 A2	A61M	Palasis et al.	06-17-2004	
		WO	2004/080397 A2	A61K	Schwarz	09-23-2004	
		WO	2004/091714 A2	A61M 36/00	Robert E. Richard	10-28-2004	

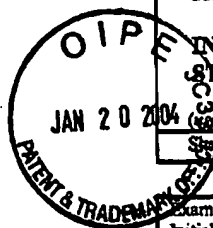
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Sheet 1 of 3				Application Number	10/632,061
				Filing Date	07/31/2003
				First Named Inventor	Robert E. Richard et al.
				Group Art Unit	1615
				Examiner Name	Unassigned
				Attorney Docket Number	02-321

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		Number	Class/Subclass		
/C.S./	1.	5,741,331	623/11	Pinchuk	04/21/1998
	2.	4,946,899	525/244	Kennedy et al.	08/07/1990
	3.	2002/0107330	525/242	Pinchuk et al.	08/08/2002
	4.	5,879,697	424/422	Ding et al.	03/09/1999
	5.	6,099,562	623/1.46	Ding et al.	08/08/2000
	6.	5,304,121	604/53	Sabatjian	04/19/1994
	7.	5,716,981	514/449	Hunter et al.	02/10/1998
	8.	5,616,608	514/449	Kinsella et al.	04/01/1997
	9.	5,733,925	514/449	Kunz et al.	03/31/1998
	10.	5,258,020	623/1	Froix	11/02/1993
	11.	6,335,029 B1	424/423	Kamath et al.	01/01/2002
	12.	6,280,411 B1	604/103.05	Lennox	08/28/2001
	13.	5,954,706	604/509	Sabatjian	09/21/1999
	14.	2002/0045706 A1	525/100	Houston et al.	04/18/2002
	15.	5,856,367	521/64	Barrows et al.	01/05/1999

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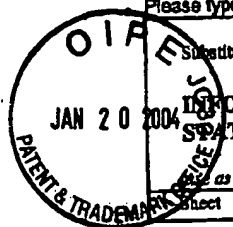
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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 2 of 3

## Complete If Known

Application Number	10/632,061
Filing Date	07/31/2003
First Named Inventor	Robert B. Richard et al.
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	02-321

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/C.S./	1.	James F. Beecher et al., "Morphology and Mechanical Behavior of Block Polymers," <i>J. Polymer Sci. Part C</i> , no. 26 (1969), pp. 117-134.	
	2.	<del>Diblock and Triblock Copolymers, pp. 141-151.</del>	
		NO PUBLICATION DATE	
/C.S./	3.	Kohtaro Kimishima et al., "Control of Self-Assembled Structures in Binary Mixtures of A-B Diblock Copolymer and A-C Diblock Copolymer by Changing the Interaction between B and C Block Chains," <i>Macromolecules</i> , 1999, no. 32, pp. 2585-2596.	
/C.S./	4.	Richard J. Spontak et al., "Phase Behavior of Ordered Diblock Copolymer Blends: Effect of Compositional Heterogeneity," <i>Macromolecules</i> , 1996, no. 29, pp. 4494-4507.	
/C.S./	5.	Hong G. Jeon et al., "Microphase and Macrophase Transitions in Binary Blends of Diblock Copolymers," <i>Macromolecules</i> , 1999, no. 32, pp. 1803-1808.	
	6.	<del>Immiscible Polymer Blends. <a href="http://www.parc.usm.edu/macrog/iblend.htm">http://www.parc.usm.edu/macrog/iblend.htm</a>.</del>	
	7.	<del>L. H. Sperling, <i>Polymeric Multicomponent Materials: An Introduction</i>, New York (John Wiley &amp; Sons), pp. 284-285. NO PUBLICATION DATE</del>	
/C.S./	8.	Joseph C. Salamone, ed., <i>Concise Polymeric Materials Encyclopedia</i> , Boca Raton (CRC Press, 1999), pp. 812-814.	
	9.	<del>Reference: Polymer Properties. <a href="http://www.sigmaaldrich.com/img/assess/3900/Thermal_Transitions_of_Homopolymers.pdf">http://www.sigmaaldrich.com/img/assess/3900/Thermal_Transitions_of_Homopolymers.pdf</a>.</del>	
		NO PUBLICATION DATE	

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Sheet 3 of 3

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Application Number	10/632,061
Filing Date	07/31/2003
First Named Inventor	Robert E. Richard et al.
Group Art Unit	1615
Examiner Name	Unassigned
Attorney Docket Number	02-321

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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	10.	<del>The Glass Transition. <a href="http://www.psrc.usm.edu/macro/tg.htm">http://www.psrc.usm.edu/macro/tg.htm</a></del>	
		<b>NO PUBLICATION DATE</b>	
/C.S./	11.	C. Molneau et al., "Synthesis and Characterization of Poly(methyl methacrylate)- <i>block</i> -poly( <i>n</i> -butyl acrylate)- <i>block</i> -poly(methyl methacrylate) Copolymers by Two-Step Controlled Radical Polymerization (ATRP) Catalyzed by NiBr <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> , 1," <i>Macromolecules</i> , 1999, no. 32, pp. 8277-8282.	
	12.	Devon A. Shipp et al., "Water-Borne Block Copolymer Synthesis and a Simple and Effective One-Pot Synthesis of Acrylate-Methacrylate Block Copolymers by Atom Transfer Radical Polymerization," <i>Am. Chem. Soc., Polym. Prep.</i> , 1999, vol. 40, pp. 448-449.	
	13.	Y.K. Chong, "A More Versatile Route to Block Copolymers and Other Polymers of Complex Architecture by Living Radical Polymerization: The RAFT Process," <i>Macromolecules</i> , vol. 32, 1999, pp. 2071-2074.	
	14.	Kathryn L. Beers et al., "Controlled/Living Radical Polymerization in the Undergraduate Laboratories. 1. Using ATRP to Prepare Block and Statistical Copolymers of <i>n</i> -Butyl Acrylate and Styrene," vol. 78, no. 4, Apr. 2001, pp. 544-547.	
	15.	Michael J. Monteiro et al., "Synthesis of Butyl Acrylate-Styrene Block Copolymers in Emulsion by Reversible Addition-Fragmentation Chain Transfer: Effect of Surfactant Migration upon Film Formation," <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , vol. 38, 2000, pp. 4206-4217.	
	16.	Kelly A. Davis et al., "Preparation of Block Copolymers of Polystyrene and Poly( <i>t</i> -butyl acrylate) of Various Molecular Weights and Architectures by Atom Transfer Radical Polymerization," <i>Journal of Polymer Science: Part A: Polymer Chemistry</i> , vol. 38, 2000, pp. 2274-2283.	
	17.	Karine Tortosa et al., "Synthesis of Polystyrene- <i>block</i> -poly(butyl acrylate) Copolymers Using Nitroxide-Mediated Living Radical Polymerization in Miniemulsion," <i>Macromolecular Rapid Communications</i> , vol. 22, no. 12, 2001, pp. 957-961.	
↓	18.	Ben Reeves, "Recent Advances in Living Free Radical Polymerization," University of Florida, Nov. 20, 2001, pp. 1-14.	

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